

11-0105.00 COTTONWOOD CREEK BELOW MORENA DAM, CALIFORNIA

DESCRIPTION: Two water-stage recorders, one on the upstream side of the southeast abutment of Morena Dam for measuring head on the spillway crest and one immediately below the dam with a rectangular control weir for measuring ordinary reservoir releases, and cableway located about 1.3 kilometers downstream from the dam. Discharge measurements made at the cableway include leakage, controlled releases, and spillway discharges.

RECORDS: Monthly records shown below represent the water available immediately below Morena Dam, consisting of spillway waste, draft, and leakage from the dam. They are computed by the International Boundary and Water Commission, United States Section, from basic data furnished by the City of San Diego, California. Records available: January 1911 through 2001.

REMARKS: Flows at this station are regulated by Morena Dam; storage began March 1910. Water is released from Morena Reservoir as required and flows down the natural channel of Cottonwood Creek to Barrett Reservoir. There are no major diversions above Morena dam.

EXTREMES: Maximum monthly discharge since 1937, 55,615 TCM, March 1983. Prior to 1937, maximum monthly discharge, 26,397 TCM February 1916; minimum, no flow during several months of various years.

MONTHLY DISCHARGE IN THOUSAND CUBIC METERS				
MONTH	CURRENT YEAR 2001	PERIOD 1937 - 2001		
		AVERAGE	MAXIMUM	MINIMUM
January	49.1	301	2,583	0
February	67.1	1,000	19,644	0
March	102	1,944	55,615	0
April	98.9	1,473	28,159	0
May	102	818	18,100	0
June	98.9	623	9,260	0
July	102	388	6,236	0
August	100	372	7,937	0
September	98.9	411	7,253	0
October	102	261	4,639	0
November	98.9	291	5,071	0
December	74.3	515	9,099	0
Yearly	1,094	8,397	168,432	0